



1244-1-458  
UNITED STATES DEPARTMENT OF COMMERCE  
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Washington, D.C. 20231

MAY 04, 2000

MCLEOD & MOYNE, P.C.  
IAN C. MCLEOD  
2190 COMMONS PARKWAY  
OKEMOS, MICHIGAN 48864

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\*101285874A\*

MAY 19 2000

IAN C. MCLEOD

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/24/2000

REEL/FRAME: 010590/0486  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MANSFIELD, LINDA S.

DOC DATE: 02/24/2000

ASSIGNOR:

ROSSANO, MARY G.

DOC DATE: 02/24/2000

ASSIGNOR:

MURPHY, ALICE J.

DOC DATE: 02/24/2000

ASSIGNOR:

VRABLE, RUTH A.

DOC DATE: 02/24/2000

ASSIGNEE:

BOARD OF TRUSTEES OPERATING  
MICHIGAN STATE UNIVERSITY  
301 ADMINISTRATION BLDG.  
MICHIGAN STATE UNIVERSITY  
EAST LANSING, MICHIGAN 48824

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OCT 16 2002

TECH CENTER 1600/2900

010590/0486 PAGE 2

SERIAL NUMBER: 09513086  
PATENT NUMBER:

FILING DATE: 02/24/2000  
ISSUE DATE:

ALLYSON PURNELL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-09-2000

MSU 4.1-458

EET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeTab settings ☐ ☐ ☐ ☐ ☒ 2,74.00

101285874

To the Honorable Commissioner of Patents, Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Linda S. Mansfield

Mary G. Rossano

Alice J. Murphy

Ruth A. Vrable

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Board of Trustees operating  
Name: Michigan State University

Internal Address: \_\_\_\_\_

Street Address: 301 Administration Bldg.

Michigan State University

City: East Lansing State: MI ZIP: 48824

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: February 24, 2000

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: Feb. 24, 2000

## A. Patent Application No.(s)

03/02/2000 DBUTLER 00000075 130610 09513086

05 FC:581

(40.00 CH) 09/513086

Additional numbers attached? ☐ Yes ☒ No

## B. Patent No.(s)

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## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ian C. McLeod

Internal Address: McLEOD &amp; MOYNE, P.C.

Street Address: 2190 Commons Parkway

City: Okemos State: MI ZIP: 48864

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☒ Authorized to be charged to deposit account  
for any fee deficiencies

## 8. Deposit account number:

13-0610

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ian C. McLeod

Name of Person Signing

Signature

2/24/00

Date

Total number of pages including cover sheet, attachments, and document: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we, LINDA S. MANSFIELD, MARY G. ROSSANO, ALICE J. MURPHY and RUTH A. VRABLE, residing at 4849 Ballantine Road, Bath, Michigan 48808; 1588 Harper Road, Mason, Michigan 48854; 309 S. Oakland, St. Johns, Michigan 48879 and 2585 Burkley Road, Williamston, Michigan 48895, respectively, have invented certain new and useful improvements in VACCINE TO CONTROL EQUINE PROTOZOAL MYELOENCEPHALITIS IN HORSES for which an application for United States Letters Patent was signed by us on even date herewith; and

WHEREAS, Board of Trustees, a constitutional Corporation operating MICHIGAN STATE UNIVERSITY, (hereinafter referred to as Assignee) of East Lansing, State of Michigan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, we the said LINDA S. MANSFIELD, MARY G. ROSSANO, ALICE J. MURPHY and RUTH A. VRABLE, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent and Trademark Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Assignee as the Assignee of our entire right, title and interest in and to the same for the sole use and behoof of the said Assignee, its successors and assigns.

FURTHER, we agree that we will communicate to said Assignee or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, we have hereunto set our hands this 24<sup>th</sup> day of February, 2000.

Signed in the Presence of:

[Signature] [Signature]  
Linda S. Mansfield

[Signature]  
Mary G. Rossano

[Signature]  
Alice J. Murphy

[Signature]  
Ruth A. Vrable

STATE OF MICHIGAN :

SS.

COUNTY OF INGHAM :

On this 24<sup>th</sup> day of February, 2000, personally appeared before me the above named Linda S. Mansfield, Mary G. Rossano, Alice J. Murphy and Ruth A. Vrable to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be her free act and deed in and for the purposes set forth in said instrument.

SEAL

[Signature]  
Notary Public

My Commission Expires: My Commission Expires April 30, 2004



7244.1-411  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
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JANUARY 25, 1999

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IAN C. MCLEOD  
2190 COMMONS PARKWAY  
OKEMOS, MI 48864



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FEB 11 1999

IAN C. MCLEOD

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RECORDATION DATE: 09/18/1998

REEL/FRAME: 9476/0775  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MANSFIELD, LINDA S.

DOC DATE: 09/18/1998

ASSIGNOR:

MURPHY, ALICE J.

DOC DATE: 09/18/1998

ASSIGNOR:

ROSSANO, MARY G.

DOC DATE: 09/18/1998

ASSIGNEE:

BOARD OF TRUSTEES OPERATING  
MICHIGAN STATE UNIVERSITY  
412 ADMINISTRATION BLDG.  
EAST LANSING, MICHIGAN 48824

SERIAL NUMBER: 09156954

FILING DATE: 09/18/1998

PATENT NUMBER:

ISSUE DATE:

9476/0775 PAGE 2

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS





ASSIGNMENT

WHEREAS, We, LINDA S. MANSFIELD, ALICE J. MURPHY and MARY G. ROSSANO residing at 4849 Ballantine Road, Bath, Michigan 48808, 309 S. Oakland, St. Johns, Michigan 48879 and 1588 Harper Road, Mason, Michigan 48854, respectively, have invented certain new and useful improvements in IMMUNOASSAY FOR EQUINE PROTOZOAL MYELOENCEPHALITIS IN HORSES for which an application for United States Letters Patent was signed by us even date herewith; and

WHEREAS, Board of Trustees, a constitutional Corporation operating MICHIGAN STATE UNIVERSITY, (hereinafter referred to as Assignee) of East Lansing, State of Michigan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, we the said LINDA S. MANSFIELD, ALICE J. MURPHY and MARY G. ROSSANO have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent and Trademark Office officials in the United States and any and all foreign countries to issue any and all of said

Letters Patent, when granted, to said Assignee as the Assignee of our entire right, title and interest in and to the same for the sole use and behoof of the said Assignee, its successors and assigns.

FURTHER, We agree that We will communicate to said Assignee or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, WE have hereunto set our hands this 18th day of September, 1998.

Signed in the Presence of:

[Signature] Linda S. Mansfield  
Linda S. Mansfield  
[Signature]  
Alice J. Murphy  
[Signature]  
Mary G. Rossano  
Mary G. Rossano

STATE OF MICHIGAN :

ss.

COUNTY OF INGHAM :

On this 18th day of September, 1998, personally appeared before me the above named Linda S. Mansfield, Alice J. Murphy and Mary G. Rossano to me known and known to me to be the persons described in and who executed the foregoing instrument and acknowledged the same to be their free act and deed in and for the purposes set forth in said instrument.

SEAL

[Signature]  
Notary Public

My Commission Expires: \_\_\_\_\_

EILEEN J. McLEOD  
Notary Public, Ingham County MI  
My Commission Expires April 30, 2000